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- providing an electrical connector mating said receiving connector at each end of a metal conductor, said metal conductor with its two connectors forming a conductive core,
 - providing a flexible tube made of at least an insulating layer of elastomeric material,
 - expanding radially said flexible tube and sliding therein said conductive core including said two connectors inside said expanded flexible tube, and
 - releasing said flexible tube over said conductive core to form an interconnection assembly.

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Please add the following new claims:

Claim 23. (New) Method to provide a medium voltage interconnection according to claim 1, further comprising the step of passing a medium voltage through said interconnection assembly.

Claim 24. (New) Method to provide a medium voltage interconnection according to claim 23, wherein said medium voltage passing through said interconnection assembly is greater than 1kV.